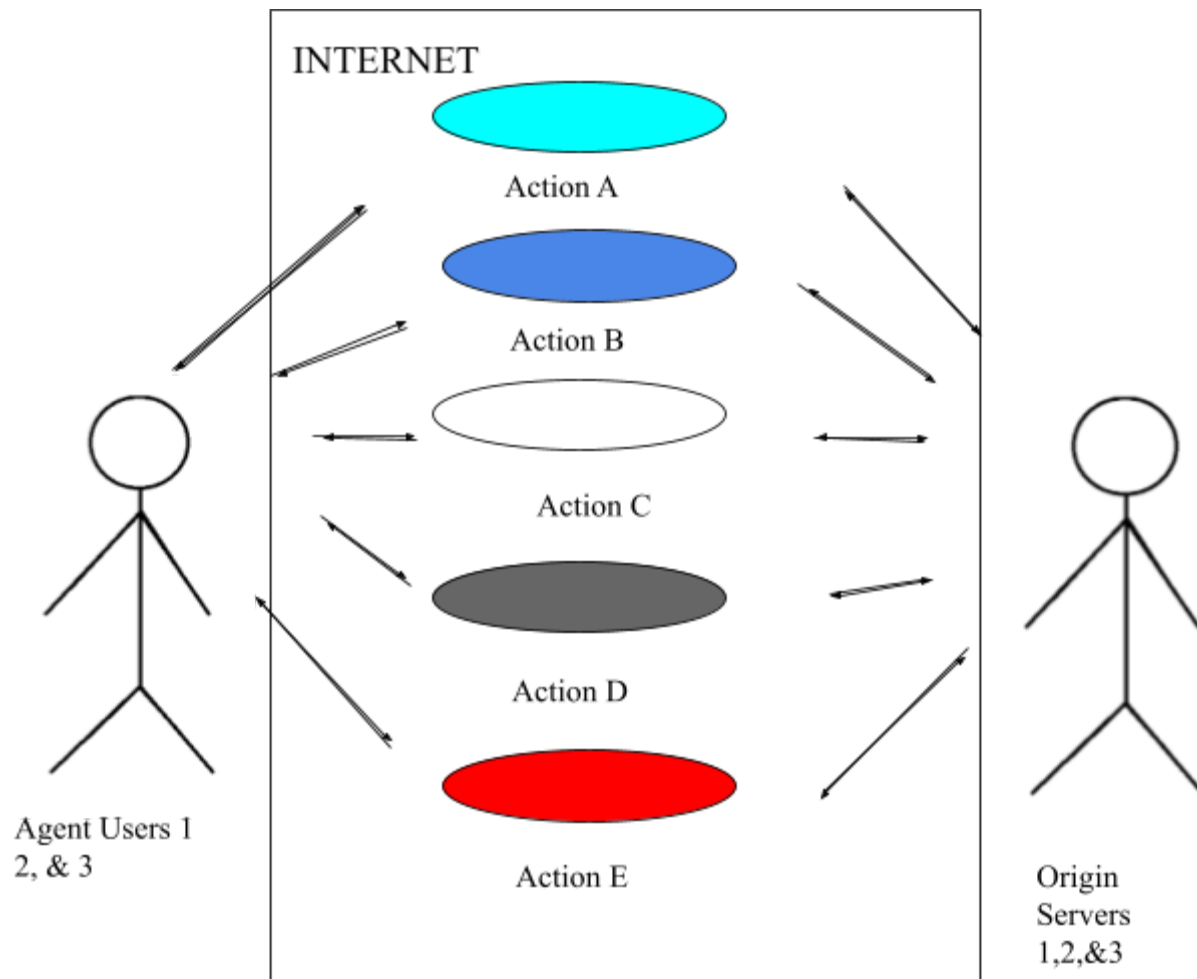


## 1. Software Design Specification:



- The internet is a network of interconnected computer networks that uses standardized communication to exchange information between one another. With it the world wide web is connected unlike ever before. It is a system that allows the globe to communicate and connect with one another in real-time.

## 2. Verification Test Plan:

Test Set:

1. Test 1: Test the ability of the device to detect available networks
2. Test 2: Test the ability of the device to connect to a selected network
3. Test 3: Test the ability of the device to maintain a stable internet connection

4. Test 4: Test the ability of the device to automatically reconnect in case of a dropped connection

Scope: This test set focuses on the ability of the device to establish and maintain an internet connection. It covers failures such as inability to detect available networks, inability to connect to a selected network, inability to maintain a stable connection, and inability to automatically reconnect in case of a dropped connection.

## Test Set 2: Functional Test for Website Loading

Feature: Loading of websites using the internet connection

Test Set:

1. Test 1: Test the ability of the device to load a simple HTML website
2. Test 2: Test the ability of the device to load a website with heavy multimedia content
3. Test 3: Test the ability of the device to load a website with multiple tabs open simultaneously
4. Test 4: Test the ability of the device to display error messages in case of a failed website load

Scope: This test set focuses on the ability of the device to load websites using the established internet connection. It covers failures such as inability to load simple HTML websites, inability to load websites with heavy multimedia content, inability to load multiple tabs simultaneously, and inability to display error messages in case of a failed website load.